

Claims

1. An acrylic release agent precursor which contains a poly(meth)acrylate ester having a group capable of being activated by ultraviolet radiation and has a storage elastic modulus of 1×10^2 to 3×10^6 Pa at 20°C and a frequency of 1 Hz, wherein
5 said precursor, after irradiation with ultraviolet radiation, has a contact angle of 15° or more to a mixed solution of methanol and water (volume ratio of 90/10) having a wetting tension of 25.4 N/m.

10 2. The acrylic release agent precursor according to claim 1, wherein the poly(meth)acrylate ester has a group capable of being activated by ultraviolet radiation derived from benzophenone.

15 3. The acrylic release agent precursor according to claim 1, wherein the poly(meth)acrylate ester is derived from a monomer component containing
a first alkyl (meth)acrylate having a C₁₂₋₃₀ alkyl group,
a second alkyl (meth)acrylate having a C₁₋₁₂ alkyl group, and
a (meth)acrylate ester having a group capable of being activated by ultraviolet radiation.

20 4. The acrylic release agent precursor according to claim 1, wherein the poly(meth)acrylate ester is derived from a monomer component containing
an alkyl (meth)acrylate having a branched C₈₋₃₀ alkyl group, and
a (meth)acrylate ester having a group capable of being activated by
25 ultraviolet radiation.

5. A release agent article comprising a substrate and the release agent precursor of any one of claims 1 to 4 formed on the substrate, wherein the release agent precursor has been irradiated with ultraviolet radiation.

6. A process for producing an acrylic release agent article, which comprises the steps of:

coating a substrate with an acrylic release agent precursor which contains a poly(meth)acrylate ester having a group capable of being activated by ultra violet radiation and has a storage elastic modulus of 1×10^2 to 3×10^6 Pa at 20°C and a frequency of 1 Hz, and

irradiating the acrylic release agent precursor with ultraviolet radiation to form an acrylic release agent layer having a contact angle of 15° or more to a mixed solution of methanol and water (volume ratio of 90/10) having a wetting tension of 25.4 N/m.